

- Heat conductivity: Calculations show that the web of an 18-gauge steel stud is about 31 times thinner than a "two-by" wood stud; however, steel conducts heat 310 times more efficiently than wood. As a net result, a "two-by" steel stud will conduct 10 times more heat than a "two-by" wood stud.
- Corrosion: Faulty design leads to the corrosion of iron and steel in buildings.
- It Can bend in fires.....

Exercise 3 : Choose the correct answer.

- Look the police the missing boy.

A. is looking for B. looks C. used to look for D. was looking

- Ten years ago theythis bridge.

A. were constructing B. construct C. constructed D. used to construct

- I broke my leg when Tony and Ifor the school sports day.

A. practised B. used to practice C. were practising D. were practised

- Leon neverabout it, but he was once a world champion skier.

A. talks B. is talking C. was talking D. talk

- Ilike golf, but now I really like it.

A. don't use to B. don't used to C. didn't used to D. didn't use to

-. Deniseat the stadium until she finds a better job.

A. works B. is working C. used to work D. was working

Exercise 4 : Fill in the gaps with the appropriate words : framebuildings, cladding, metal,materials

A steel building is a structure fabricated with steel for the internal support and for exterior, as opposed to steel which generally use other for floors, walls, and external envelope. Steel buildings are used for a variety of purposes including storage, work spaces and living accommodation. They are classified into specific types depending on how they

1st Year LMD Constructions Metalliques et Mixtes

English Exam (the corrected)

Exercise 1 *Classify the following properties of wrought iron and cast iron in the table below : (4 ,5 pts)*

- 1-It is very malleable and ductile
- 2-Its tensile strength is 20-26 tons /in²
- 3-It is strong in compression but not so strong as steel
- 4-It can be easily worked, welded and is tough
- 5-It is brittle, non ductile, non malleable and cracks when subjected to shocks
- 6-It cannot be magnetized
- 7-It does not rust
- 8- It is strong in compression but weak in tension and shear
- 9- Its melting point is 12000C

Properties of cast iron	Properties of wrought iron
.....5.....	1
.....6.....	2
.....7.....	3
.....8.....	4
.....9.....	

Exercise 2 Write whether theses sentences are advantages or disadvantages of steel :

(4,5 pts)

- Steel is structurally sound and manufactured to strict specifications and tolerances. Advantage
- Steel is cost effective and rarely fluctuates in price. Advantage
- With the propagation of mold and mildew in residential buildings, using steel decreases these infestations. Advantage
- Heat conductivity: Calculations show that the web of an 18-gauge steel stud is about 31 times thinner than a "two-by" wood stud; however, steel conducts heat 310 times more efficiently than wood. As a net result, a "two-by" steel stud will conduct 10 times more heat than a "two-by" wood stud. Disadvantage

- Corrosion: Faulty design leads to the corrosion of iron and steel in buildings.
Disadvantage
- It Can bend in fires. Disadvantage

Exercise 3 : Choose the correct answer. (3 pts)

- Look the police **is looking for** the missing boy.

A. is looking for B. looks C. used to look for D. was looking

- Ten years ago they **constructed** this bridge.

A. were constructing B. construct C. constructed D. used to construct

- I broke my leg when Tony and I **were practising** for the school sports day.

A. practised B. used to practice C. were practising D. were practised

- Leon never **talks** about it, but he was once a world champion skier.

A. talks B. is talking C. was talking D. talk

- I **didn't use to** like golf, but now I really like it.

A. don't use to B. don't used to C. didn't used to D. didn't use to

-. Denise **is working** at the stadium until she finds a better job.

A. works B. is working C. used to work D. was working

Exercise 4 : Fill in the gaps with the appropriate words : framebuildings, cladding, metal,materials. (8 pts)

A steel building is a metal structure fabricated with steel for the internal support and for exterior cladding, as opposed to steel framebuildings which generally use other materials for floors, walls, and external envelope. Steel buildings are used for a variety of purposes including storage, work spaces and living accommodation. They are classified into specific types depending on how they are used.